Swift PMC

SWIFT™ NTDS SERIAL PMC MODULES

KEY FEATURES

- Fully MIL-STD-1397C Type D or E compliant
- Full-duplex 32-bit NTDS transfers
- Interrupt, PIO & DMA operation
- Independent NTDS sink and source channels
- Field Programmable Gate Array (FPGA) technology
- Separate word counters and time-outs for command and data words on inputs and outputs
- PCI Master and Slave operation
- Internal loop-back test without disconnecting NTDS cables
- Software selectable SIF with individual test enables
- Software enabled time-stamp on input words with 125 ns resolution
- Timestamps can be synchronized across multiple interfaces
- Two software controllable front panel User LED's
- Supports receipt of multiple forced Command words
- Control Frame programmability for MIL-STD-1397B compatibility

Input Mode Features

- Separate or combined data and command word buffers
- Input command words, stop on data word
- Input data words, stop on command word
- Single word or burst mode
- Passive tap mode

Output Mode Features

- Concurrent data and command buffer operation
- Single word or burst mode

Time-out Features

- Time-out values in 10 µs or 1 ms increments
- Time-out between words and/or total transfer times
- Start timeout at beginning of operation or upon transfer of first word

Software Drivers *

Windows NT • Vx Works • Solaris • Linux & RT Linux • HP-UX
Choice of driver included with board purchase. Check with factory for new OS support

SWIFT™ FOR PMC
Serial

SPECIFICATIONS	
NTDS Interface:	MIL-STD-1397C Type D or E PCI
Bus Interface:	PCI 2.1 Compliant (Universal 3.3V or
	5V I/O, 32 Bit, 33 MHz)
Input Buffer:	4K x 32-Bit FIFO (standard)
	64K x 32-Bit FIFO (optional)
NTDS I/O Connector:	Type D: 2 coaxial connectors (Trompeter# UBJ20SL)
	Type E: 2 tri-axial connectors (Trompeter# BJ157)
Relative Humidity:	0% to 90% (non-condensing)
Operating Temperature:	0ºC to +55ºC

ORDERING INFORMATION	
MODEL #	PRODUCT DESCRIPTION
SP-03101-00	Swift" NTDS D PMC Module, 4K FIFO**
SP-04101-00	Swift" NTDS E PMC Module, 4K FIFO**
	*** Also available with 64K FIFO*

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